### **Teton Environmental Health LLC**



1106 Lowell Drive Idaho Falls ID 83402 Phone (208) 523-6713 Fax (208) 542-0164

www.teton-env.com

e-mail: dkn@teton-env.com

Industrial Hygiene and Occupational Safety Services

December 10, 2013

Denise Cooley, Buyer Idaho Transportation Department PO Box 97 Rigby ID 83442

Subject:

Air and Surface Sampling Results for ITD Facility, 206 N. Yellowstone, Rigby, ID;

Teton Environmental Health LLC Project 13026

#### Dear Denise,

Thank you for allowing Teton Environmental Health LLC the opportunity to provide industrial hygiene services for the Idaho Transportation Department (ITD). This letter and attachments document results of sampling that was performed at the subject location on November 29, 2013. The sampling was conducted at the request of the Idaho Transportation Department in response to concerns about possible airborne asbestos fibers in the break room following removal of asbestos-containing flooring. The flooring had been removed about six months previous to the sampling.

The samples were collected by a Certified Industrial Hygienist (CIH) certified by the American Board of Industrial Hygiene (ABIH) in the comprehensive practice of industrial hygiene. Air samples were collected using pre- and post-calibrated air sampling pumps in accordance with National Institute of Occupational Safety and Health (NIOSH) method 7400. Surface dust samples were collected following American Standards and Test Methods (ASTM) Method ASTM D6480-99. Field blanks were prepared and submitted with each sample set. All samples were submitted under chain of custody to EMSL Analytical, Inc., for analysis. EMSL Analytical Inc. is accredited by the American Industrial Hygiene Association (AIHA). Air samples were analyzed using NIOSH method 7400, using phase-contrast microscopy. This method counts all fibers and is equivalent to the Occupational Safety and Health Administration (OSHA) reference method contained in Appendix B of 29 Code of Federal Regulations (CFR) 1926.1101. Analysis of air samples was also performed using the protocol contained in the Asbestos Hazard Emergency Response Act (AHERA) Method 763, which employs transmission electron microscopy (TEM), and is capable of differentiating between asbestos and other fibers. Copies of the chain of

custody forms and laboratory analytical reports are attached to this letter. Sample results are summarized in Tables 1 and 2 below.

| Sample number | Location   | Results,<br>f/cc* | Results,<br>s/mm <sup>2</sup> * | Reference Regulatory<br>Limit<br>OSHA AHERA |                      |  |
|---------------|--|-------------------|---------------------------------|---|----------------------|--|
| 13026-01      | Warehouse, 2 <sup>nd</sup> row from N wall;<br>below HVAC outlet | 0.004             | ND                              | 0.01 f/cc                                   | 70 s/mm²             |  |
| 13026-02      | Break room, approximate center                                   | 0.002             | ND                              | 0.01 f/cc                                   | 70 s/mm²             |  |
| 13026-03      | Hallway into break area - at west doorway into restroom          | <0.002            | ND                              | 0.01 f/cc                                   | 70 s/mm²             |  |
| 13026-04      | Break room, SE corner  | 0.003             | ND                              | 0.01 f/cc                                   | 70 s/mm <sup>2</sup> |  |
| 13026-05      | Shop - outside door into break area                              | <0.002            | ND                              | 0.01 f/cc                                   | 70 s/mm²             |  |
| 13026-06      | Field blank  | ND                | N/A                             | 0.01 f/cc                                   | 70 s/mm²             |  |
| 13026-07      | Field blank  | ND                | N/A                             | 0.01f/cc                                    | 70 s/mm <sup>2</sup> |  |

<sup>\*</sup>Results are reported as fibers/cubic centimeter of air sampled for NIOSH 7400 method, or structures/square millimeter of filter analyzed for AHERA TEM method. ND: None detected.

Table 1. Summary of air sampling results, ITD Facility, 206 N. Yellowstone, Rigby ID, 11/29/13.

| Sample number   | Sample location                                   | Results                              |  |  |
|---|---|--------------------------------------|--|--|
| 13026-08  | Top surface of warehouse shelf; below HVAC outlet | <2.99 chrysotile asbestos structures |  |  |
| Top surface of HVAC distribution duct in restroom; about 4' from west wall  |   | No asbestos structures detected      |  |  |
| Top surface of conduit in SE corner of break room                           |   | 12 chrysotile asbestos structures    |  |  |
| 13026-11 Top surface of over-sink cabinets and cupboard doors in break room |   | <2.99 chrysotile asbestos structures |  |  |
| 13026-12 Top surface of Tool Box #420 in shop                               |   | No asbestos structures detected      |  |  |
| 13026-13 Field blank  |   | No asbestos structures detected      |  |  |

Table 2. Summary of surface sample results, ITD Facility, 206 N. Yellowstone, Rigby ID, 11/29/13.

#### Discussion of Results

Air sample results were well below the industry-accepted "clean air" limit for occupied areas adjacent to asbestos removal activities of 0.01 fibers per cubic centimeter (0.01 f/cc) of air sampled; this limit is listed in the table for comparison purposes. Personal samples were not collected as part of this sampling effort, however, the area samples are below the OSHA permissible exposure limit (PEL) for asbestos of 0.1 f/cc. Analysis of air samples using transmission electron microscopy found no asbestos fibers on any of the samples. The Environmental Protection Agency limit of 70 asbestos structures per square millimeter (70 s/mm²) of filter is also cited in the table for comparison.

Three of the settled dust on surfaces samples were found to contain some chrysotile asbestos fibers. These results are not an indication of widespread fiber deposits throughout the facility; the type of asbestos that was found, chrysotile, is the most common type of asbestos used in the United States and could have come from any number of sources. There is no way to positively determine the originating source of the asbestos, nor is there any way to correlate asbestos in settled dust and airborne asbestos fiber concentrations. There is no regulatory limit or standard for asbestos fibers in settled dust.

#### Recommendations

Based on the results of surface dust sampling and the knowledge that asbestos-containing building materials were removed from the break room without use of the OSHA-required work practices, it is recommended that horizontal surfaces in the break room and adjacent restroom, and the north side of the warehouse (defined as the area north of the center aisle that runs E-W through the area), be cleaned using vacuums equipped with high efficiency particulate air (HEPA) filters. Workers with at least Class IV asbestos worker training should perform this work. In the interest of worker safety and to facilitate efficient work progress, access to the areas during cleaning should be restricted to the asbestos workers. Because there are areas with significant accumulations of settled dust, it is recommended that the workers performing the vacuuming wear, as a minimum, half-face respirators with HEPA filters.

Based on the results of air sampling, airborne fibers at the facility were found to be within regulatory limits on the date of sample collection, and use of electron microscopy did not find any asbestos structures on the air samples collected. These results may not be representative of airborne fiber concentrations at or around the time that the asbestos-containing materials were removed from the facility. However, asbestos fibers in floor tile are very difficult to separate from the binders in the tile without significant effort, such as grinding, sanding, use of power saws, and similar methods.

OSHA regulations require that building owners either presume that certain building materials contain asbestos, or have an EPA-accredited Building Inspector perform an inspection, which may include sampling, to identify installed asbestos-containing building materials. Awareness training that communicates results of the inspection must be provided to building occupants, and persons performing work which could disturb the installed asbestos-containing materials. Teton Environmental Health LLC is able to perform inspections, provide worker training, or provide other industrial hygiene services for the ITD. Please contact me if you would like a cost estimate for these services.

Thank you again for allowing Teton Environmental Health LLC to provide industrial hygiene support for the Idaho Transportation Department. If you have any questions regarding this report or the attachments, please don't hesitate to contact me.

Best regards,

Debra K. Nims MS CIH CSP

Attachments: as stated

BOARD OF INDIANA

CERTIFICATION
NUMBER

5181 CP
EXPIRES
6-1-2018

CERTIFICATION
NUMBER

5181 CP
EXPIRES
6-1-2018



## Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

161318977

EMSL ANALYTICAL, INC. 2001 EAST 52 STREET INDIANAPOLIS, IN, 46205

PHONE: (317) 803-2997 FAX: (317) 803-3047

| Company : Teton Environmental He                         | EMSL-Bill to: Same Different If Bill to is Different note instructions in Comments** |   |  |                           |  |  |  |  |
|--|--|---|--|---------------------------|--|--|--|--|
| Street: Teton Environmental Health                       |  | Third Party Billing requires written authorization from third party |  |                           |  |  |  |  |
| City: Idaho Falls  | State/Province: II)  | Zip/Postal Code: 8340   |  |                           |  |  |  |  |
| Report To (Name): Debra K. Nims                          | Combine CAS Assessed   | ,   |  |                           |  |  |  |  |
| Telephone #: 208-523-6713                                |  | Email Address: dkno   | @tetonenvironmental                    | com                       |  |  |  |  |
|  | light Facility: 13   |   |  | \                         |  |  |  |  |
|  | Email Purchase Orde  |   | S. State Samples Tak                   | en: ID                    |  |  |  |  |
| D 2 Hause D C Hause                                      |  | Options* - Please Che   |  | 15 400                    |  |  |  |  |
| *For TEM Air 3 hours/6 hours, please call el             | head to schedule. *There is a premi  | ium charge for 3 Hour TEM AH  | 4 Days 5 Days ERA or EPA Level II TAT. | You will be asked to sign |  |  |  |  |
| an authorization form for this service                   | Analysis completed in accordan   | ice with EMSL's Terms and Cor                                       | nditions located in the Analy          | tical Price Guide.        |  |  |  |  |
| PCM - AIr<br>☑ NIOSH 7400                                | TEM - Air  AHERA 40 CI   | FR Part 763   | TEM- Dust                              | D 5755                    |  |  |  |  |
| WOSHA 8hr. TWA   | NIOSH 7402   | 111, Falt 703   | R, Part 763                            |                           |  |  |  |  |
| PLM - Bulk (reporting limit)                             | ☐ EPA Level II   |   | ☐ Carpet Sonication                    |                           |  |  |  |  |
| ☐ PLM EPA 600/R-93/116 (<1%)                             | ☐ ISO 10312  |   | Soil/Rock/Vermicul                     |                           |  |  |  |  |
| ☐ PLM EPA NOB (<1%)                                      | TEM - Bulk   |   | ☐ PLM CARB 435 -                       |                           |  |  |  |  |
| Point Count  | ☐ TEM EPA NOI  | В   | ☐ PLM CARB 435 -                       |                           |  |  |  |  |
| ☐ 400 (<0.25%) ☐ 1000 (<0.1%)                            | ☐ NYS NOB 198  | 8.4 (non-friable-NY)  | ☐ TEM CARB 435 -                       |                           |  |  |  |  |
| Point Count w/Gravimetric                                | Chatfield SOP  |   | TEM CARB 435 -                         |                           |  |  |  |  |
| ☐ 400 (<0.25%) ☐ 1000 (<0.1%)                            |  | alysis-EPA 600 sec. 2.5   | ☐ EPA Protocol (Semi-Quantitative)     |                           |  |  |  |  |
| NYS 198.1 (friable in NY) NYS 198.6 NOB (non-friable-NY) | TEM - Water: EP<br>Fibers >10µm  |   | EPA Protocol (Qu                       | antitative)               |  |  |  |  |
| □ NIOSH 9002 (<1%)                                       |  | ☐ Waste ☐ Drinking  | Other:                                 |                           |  |  |  |  |
|  | ck For Positive Stop - Cl  |   | enous Group                            |                           |  |  |  |  |
|  | on to the obtained of the  | lourly identity from ogt  | silodo Oloup                           |                           |  |  |  |  |
| Samplers Name:   |  | Samplers Signature:   | T. v                                   |                           |  |  |  |  |
| Sample #   | Sample Description   | on  | Volume/Area (Air)<br>HA # (Bulk)       | Date/Time<br>Sampled      |  |  |  |  |
| 13026-01 Warehi  | suse   |   | 1254l                                  | 11/29/13                  |  |  |  |  |
| 13026-02 Break   | room   |   | 12542                                  |                           |  |  |  |  |
| 13026-03 Hallwa  | y near locker/re   | estroom entry   | 12542                                  |                           |  |  |  |  |
| 13026-04 Break   |  | /   | 1203l                                  |                           |  |  |  |  |
| 13026-05 Shop-   | outside door to  | break area  | 12032                                  |                           |  |  |  |  |
| 13026-06 Field 1   | slank  |   | -0                                     | $\vee$                    |  |  |  |  |
| 13026-07 Field blank                                     |  |   | 0                                      | 11/29/13                  |  |  |  |  |
|  |  |   |  |                           |  |  |  |  |
| Client Sample #(s): 13026-0                              | 1-13026-07   | _   | Total # of Samples:                    | 7)                        |  |  |  |  |
| Relinquished (Client):                                   | Date:  | 11/29/13  |  | 1530                      |  |  |  |  |
| Received (Lab): Date: D 2 13 Time: 8:05                  |  |   |  |                           |  |  |  |  |
| Comments/Special Instructions) Please analyze by NO      | 15H 7400 and   | AHERA TEN   | 1. Call w/qu                           | estions.                  |  |  |  |  |
|  |  | Facility is n   |  |                           |  |  |  |  |



#### EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205 Phone/Fax: (317) 803-2997 / (317) 803-3047

http://www.EMSL.com

indianapolislab@emsl.com

EMSL Order: CustomerID:

161318977 TEEH25

CustomerPO:

13026

ProjectID:

Debra K. Nims Teton Environmental Health, Inc 1106 Lowell Drive Idaho Falls, ID 83402

Phone:

(208) 523-6713

Fax:

Received:

12/02/13 8:05 AM

Analysis Date:

12/2/2013

Collected:

11/29/2013

Project: ITD FIGBY FACILITY 13026

#### Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

| Sample                     | Location    | Sample Date | Volume<br>(liters) | Fibers | Fields | LOD<br>(fib/cc) | Fibers/<br>mm² | Fibers/<br>cc Notes |
|----------------------------|-------------|-------------|--------------------|--------|--------|-----------------|----------------|---------------------|
| 13026-01<br>161318977-0001 | WHSE        | 11/29/2013  | 1254.00            | 9      | 100    | 0.002           | 11.5           | 0.004               |
| 13026-02<br>161318977-0002 | BRK RM      | 11/29/2013  | 1254.00            | 6      | 100    | 0.002           | 7.64           | 0.002               |
| 13026-03<br>161318977-0003 | HALL        | 11/29/2013  | 1254.00            | <5.5   | 100    | 0.002           | <7.01          | <0.002              |
| 13026-04<br>161318977-0004 | BRK RM      | 11/29/2013  | 1203.00            | 8.5    | 100    | 0.002           | 10.8           | 0.003               |
| 13026-05<br>161318977-0005 | SHOP        | 11/29/2013  | 1203.00            | <5.5   | 100    | 0.002           | <7.01          | <0.002              |
| 13026-06<br>161318977-0006 | FIELD BLANK | 11/29/2013  |                    | <5.5   | 100    |                 | <7.01          | Field Blank         |
| 13026-07<br>161318977-0007 | FIELD BLANK | 11/29/2013  |                    | <5.5   | 100    |                 | <7.01          | Field Blank         |

The results reported have been blank corrected as applicable

Analyst(s)

Susan Harding (7)

Richard Harding, Laboratory Manager or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.39, 21-50 fibers = 0.28, 51-100 fibers = 0.21. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LAP, LLC--IHLAP 157245, AZ0939, CO AL-15132, TX 300262

Initial report from 12/02/2013 14:51:34



#### EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205 Phone/Fax: (317) 803-2997 / (317) 803-3047

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EMSL Order:

161318977

CustomerID:

TEEH25 13026

CustomerPO:

ProjectID:

Attn: Debra K. Nims
Teton Environmental Health, Inc
1106 Lowell Drive
Idaho Falls, ID 83402

Phone:

(208) 523-6713

Fax:

Received:

12/02/13 8:05 AM

Analysis Date:

12/3/2013

Collected:

11/29/2013

Project: ITD FIGBY FACILITY 13026

### Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

|                            |          | Volume   | Area<br>Analyzed | Non | Asbestos  | # Structures      |             | Analytical<br>Sensitivity | Asbestos<br>Concentration |         |
|----------------------------|----------|----------|------------------|-----|-----------|-------------------|-------------|---------------------------|---------------------------|---------|
| Sample                     | Location | (Liters) | $(mm^2)$         | Asb | Type(s)   | $\geq 0.5\mu < 5$ | $\geq 5\mu$ | (S/cc)                    | $(S/mm^2)$                | (S/cc)  |
| 13026-01<br>161318977-0008 | WHSE     | 1254.00  | 0.0655           | 0   | None Det  | ected             |             | 0.0047                    | <15.00                    | <0.0047 |
| 13026-02<br>161318977-0009 | BRK RM   | 1254.00  | 0.0655           | 0   | None Det  | ected             |             | 0.0047                    | <15.00                    | <0.0047 |
| 13026-03<br>161318977-0010 | HALL     | 1254.00  | 0.0655           | 0   | None Det  | ected             |             | 0.0047                    | <15.00                    | <0.0047 |
| 13026-04<br>161318977-0011 | BRK RM   | 1203.00  | 0.0655           | 0   | None Dete | ected             |             | 0.0049                    | <15.00                    | <0.0049 |
| 13026-05<br>161318977-0012 | SHOP     | 1203.00  | 0.0655           | 0   | None Dete | ected             |             | 0.0049                    | <15.00                    | <0.0049 |

Analyst(s)

Richard Harding (5)

Thehand V. Harding

Richard Harding, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, CO AL-15132, TX 300262

Initial report from 12/03/2013 09:49:19



# Asbestos Chain of Custody EMSL Order Number (Lab Use Only):

161318976

EMSL ANALYTICAL, INC. 2001 EAST 52ND STREET INDIANAPOLIS, IN, 46205

PHONE: (317) 803-2997 FAX: (317) 803-3047

| Company : Teton Environmental Health, Inc. |  |  | EMSL-Bill to: Same Different  If Bill to is Different note instructions in Comments** |  |   |  |  |  |
|--|--|--|---|--|---|--|--|--|
| Street: Teton Enviro                       |  |  | Third Party Billing requires written authorization from third party                   |  |   |  |  |  |
| City: Idaho Falls                          |  | State/Province: ID   | Zip/Postal Code: 834  |  |   |  |  |  |
| Report To (Name): Debra K. Nims            |  |  | Com# = 200 - 240 - 270 - 1  |  | y.  |  |  |  |
| Telephone #: 208-5                         |  |  |   | @tetonenvironmental.   |   |  |  |  |
| Project Name/Number                        | The second name of the second na | 19bx: 13026  | Linaii Address. <u>ukii</u>   | wtetonenvironmental.   | com   |  |  |  |
| Please Provide Resi                        | ults:    Fax   | Email Purchase Order   | r: 13626 U.   | S. State Samples Take  | en: ID  |  |  |  |
|  |  | Turnaround Time (TAT)  | Options* - Please Che   | eck  |   |  |  |  |
| 3 Hours 6                                  | Hours  | 24 Hrs 48 Hrs  | 3 Days  | 4 Days 5 Days  | ☐ 10 Days                                       |  |  |  |
| an authorization fi                        | form for this service.   | Analysis completed in accordance   | e with EMSL's Terms and Co  | nditions located in the Analy                                    | You will be asked to sign<br>tical Price Guide. |  |  |  |
| PCM - Air                                  |  | TEM - Air  |   | TEM- Dust  |   |  |  |  |
| ☐ NIOSH 7400 ☐ AHERA 40 CF                 |  |  | R, Part 763   | ☐ Microvac - ASTM  |   |  |  |  |
| w/ OSHA 8hr. TW                            |  | ☐ NIOSH 7402   |   | Wipe - ASTM D64  |   |  |  |  |
| PLM - Bulk (reporting                      |  | EPA Level II   |   | ☐ Carpet Sonication  |   |  |  |  |
| ☐ PLM EPA 600/R-9                          |  | ☐ ISO 10312  |   | Soil/Rock/Vermiculi  |   |  |  |  |
| ☐ PLM EPA NOB (<1                          | 1%)  | TEM - Bulk   |   | ☐ PLM CARB 435 -   | A (0.25% sensitivity)                           |  |  |  |
| □ 400 (<0.25%) □ 1                         | 000 (-0 19()   | TEM EPA NOB  |   | PLM CARB 435 -   |   |  |  |  |
| Point Count w/Gravim                       |  | ☐ NYS NOB 198.4  | 4 (non-friable-NY)  | TEM CARB 435 -   |   |  |  |  |
| ☐ 400 (<0.25%) ☐ 1                         |  | The state of the s | ysis-EPA 600 sec. 2.5   | TEM CARB 435 -   |   |  |  |  |
| NYS 198.1 (friable                         |  | TEM - Water: EPA   |   | ☐ EPA Protocol (Semi-Quantitative) ☐ EPA Protocol (Quantitative) |   |  |  |  |
| ☐ NYS 198.6 NOB (1                         | Control of the Contro | Fibers >10µm   |   | Other:   |   |  |  |  |
| ☐ NIOSH 9002 (<1%                          |  |  | Waste Drinking  |  |   |  |  |  |
|  |  | k For Positive Stop - Cle  |   | enous Group  |   |  |  |  |
|  |  |  |   | опочо оточр  |   |  |  |  |
| Samplers Name:                             |  |  | Samplers Signature:   |  |   |  |  |  |
| Sample #                                   |  | Sample Description   |   | Volume/Area (Air)<br>HA # (Bulk)                                 | Date/Time<br>Sampled                            |  |  |  |
| 13026-08                                   |  | Fin warehouse L  |   | 7100cm2  | 11/29/13  |  |  |  |
| 13026-09                                   |  | ace of HVAC d  |   | =100 cm2   |   |  |  |  |
| 13026-10                                   |  | ice of conduit-s   |   |  |   |  |  |  |
| 13026-11                                   | Top of cup   | boards under HV  | IAC-break room  | =350 cm <sup>2</sup>   |   |  |  |  |
| 13026-12                                   |  | ol box#420-in  | shop  | =100 cm2   | V   |  |  |  |
| 13026-13                                   | Field k  | plank.   | ,   | 6  | 11/29/13  |  |  |  |
|  |  |  |   |  |   |  |  |  |
|  |  |  |   |  |   |  |  |  |
| Client Sample # (s):                       | 13026-08   | -13026-13  |   | Total # of Samples:  |   |  |  |  |
| Relinquished (Client):                     | : DKNozy   | Date:  | 11/29/13  |  | 1530  |  |  |  |
| Received (Lab). O                          | enny low   | Date:  | 2/2/13  |  | 8.05 FR   |  |  |  |
| Commentaropecial In                        | su ucuons:   |  | •   |  |   |  |  |  |
|  |  |  |   |  |   |  |  |  |



#### EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205 Phone/Fax: (317) 803-2997 / (317) 803-3047

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EMSL Order: CustomerID: 161318976 TEEH25

CustomerPO:

13026

ProjectID:

Attn: Debra K. Nims

Teton Environmental Health, Inc 1106 Lowell Drive Idaho Falls, ID 83402 Phone:

(208) 523-6713

Fax:

12/02/13 8:05 AM

Received: Analysis Date:

12/3/2013

Collected:

11/29/2013

Project: ITD RIGBY 13026

#### Test Report: Asbestos Analysis of Wipe Samples Using Method ASTM 6480-05

| SAMPLE ID                  | AREA<br>SAMPLED<br>(cm²) | ASBESTOS<br>TYPE | ASBESTOS<br>STRUCTURES | Sensitivity<br>(str/cm²) | CONCENTRATION (str/cm²) | COMMENTS  |
|----------------------------|--------------------------|------------------|------------------------|--------------------------|-------------------------|---|
| 13026-08<br>161318976-0001 | 100                      | Chrysotile       | <2.99                  | 4940                     | <14800                  | Analytical sensitivity not achieved due to sample debris loading. |
| 13026-09<br>161318976-0002 | 100                      | None Detected    | <2.99                  | 4940                     | <14800                  | Analytical sensitivity not achieved due to sample debris loading. |
| 13026-10<br>161318976-0003 | 100                      | Chrysotile       | 12                     | 989                      | 11900                   | Analytical sensitivity not achieved due to sample debris loading. |
| 13026-11<br>161318976-0004 | 350                      | Chrysotile       | <2.99                  | 565                      | <1690                   | Analytical sensitivity not achieved due to sample debris loading. |
| 13026-12<br>161318976-0005 | 100                      | None Detected    | <2.99                  | 9890                     | <29600                  | Analytical sensitivity not achieved due to sample debris loading. |
| 13026-13<br>161318976-0006 | 0                        | None Detected    | <2.99                  |                          |                         | Blank   |

Analyst(s)

Susan Harding (6)

Richard Harding, Laboratory Manager or other approved signatory

EMSL maintains liability to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from 12/03/2013 11:13:55